**Long-term goals:**

* Create math community
* Build understanding
* Practice communicating
* Build excitement
* Enter into the mathematical thinking process

**Mathematics Lesson Line – *75 minute block recommended***

**Teacher will *briefly*…**

* Connect to prior learning
* Pose essential question
* Provide logistics of lesson
* Pose task(s) for today
* **Number Talk**
* **Quick Flash**
* **Thinking Device**
* **Games/Apps**
* **Practice/Review**

**Problem Solving Lesson**

* Non-routine problem (s)
* Problem-type (CGI/CCSS)

**Lesson Activity or Task**

* To develop understanding
* To practice a developing skill

**Rotations**

* Simultaneous activities in room
* Based on needs of students

**10 minutes 20-25 minutes 20-25 minutes 10-15 minutes**

**We Do**

**I Do**

**Warm-up**

***THEN…* You Do**

**Teacher will…**

* Summarize the learning from the lesson
* Make connections to the mathematics
* Help students extend thinking

**Student will…**

* Summarize own learning
* Answer essential question

**Together, we engage in…**

* Sharing/Discussing
* Listening/Attending
* Comparing
* Justifying
* Critiquing
* Constructive arguing
* Making connections

**Student will…**

* Work alone or in pairs
* Struggle/persevere
* Confer with others
* Represent thinking
* Explain/justify/defend

**Teacher will…**

* Jumpstart thinking
* Ask probing questions
* Collect data
* Choose work to share
* **Share strategies**
* **Discuss thinking**
* **Process learning**
* **Gallery walk**
* **Carousel**
* **Journal Entry**
* **Exit Ticket**
* **Assessment**